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TECHNICAL ASSISTANCE TEAM FOR EMERGENCY RESPONSE REMOVAL AND PREVENTION
EPA CONTRACT 68-01-7367

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Mr. Duane Heaton
Deputy Project Officer
Emergency Response Section
Western Response Unit
U.S. Environmental Protection Agency
11th Floor
230 South Dearborn Street
Chicago, Illinois 60604

October 5, 1989

TAT-05-G2-01351

Re: Southeast Rockford, Rockford, Illinois
TDD#5-8907-27

Dear Mr. Heaton:

On July 19, 1989, the U.S. Environmental Protection Agency (U.S. EPA) tasked the Technical Assistance Team (TAT) to review the SE Rockford National Priorities List (NPL) site for possible removal action. After review of the available files, interviews with U.S. EPA, state and local officials, the TAT conducted a site assessment on August 9, 1989. This letter report summarizes the TAT activities.

The Southeast Rockford site is a residential area in Rockford, Illinois. According to the Illinois Department of Public Health (IDPH), the area of contamination covers approximately two square miles. The site is bordered on the north by Harrison Avenue, on the east by 21st Street, on the south by Sawyer Avenue and on the west by 8th Street. The Rock River is located two miles west of this area and is not used as a potable water supply.

Ground water contamination at the site has been documented since 1984. Residential well sampling was conducted by the Illinois Environmental Protection Agency (IEPA) in 1984 during an investigation of illegal dumping by an electroplating facility. Various volatile organic compounds (VOCs) including 1,1,1-trichloromethane, trichloroethylene (TCE), and 1,1-dichloroethylene were detected in two municipal wells. These wells have been recently shut down by the City of Rockford Water Department. A discrete source of the contaminants has not been identified.

US 00301

Roy F. Weston, Inc.

SPILL PREVENTION & EMERGENCY RESPONSE DIVISION

In Association with ICF Technology Inc., C.C. Johnson & Malhotra, P.C., Resource Applications, Inc.,
Geo/Resource Consultants, Inc., and Environmental Toxicology International, Inc.



Mr. Duane Heaton

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On August 9, 1989, TAT members Maureen O'Mara and Robert Young conducted a site visit which included residential well sampling. Sampling locations were determined based on previous sampling results by the IDPH. The residential well at 2741 Cannon, first sampled in 1988, showed contamination exceeding the removal action level (RAL) for TCE. The well at 2733 Kinsey, sampled in 1984, had TCE exceeding the RAL. The TAT collected water samples from the 2742 Cannon (S10) and 2733 Kinsey (S11) residences. A tenant at the 2741 Cannon Residence stated that the owner had installed a carbon purifier for drinking water taps, but that well water was still used for bathing. No resident was available for an interview at 2733 Kinsey. During the sampling a neighbor stated that the residences on the block would be connected to city water during September 1989.

The residential well samples were analyzed for VOCs under TAT Analytical Services TDD#5-8908-L03 by Grace Analytical Laboratories. The analytical results of the sampling are summarized in Table 1 and are compared to the RALs. 1,2-Dichloroethane was detected in both S10 and S11 at concentrations exceeding the RAL. Although no other compounds were detected above the RALs, it is evident that significant ground water contamination exists.

Conditions observed by the TAT or previous analytical results from the site that may be considered in determining the appropriateness of a removal action as set forth in Paragraph (b)(2) of Part 300.65 of the National Contingency Plan (NCP) include:

- o Actual or potential contamination of drinking water supplies.

US 00302

TABLE 1
Analytical Results of TAT Water Sampling
SE Rockford
Rockford, Illinois

August 9, 1989
 (All results in ug/l)

<u>Parameter</u>	<u>Removal Action Level (ug/l)</u>	<u>Sample</u>	
		<u>S10</u>	<u>S11</u>
Methylene Chloride	48	19.5B	15.5B
1,1-Dichloroethene	175	47.8	27.5
1,1-Dichloroethane	*	320	213
1,2-Dichloroethane (total)	350	894	556
Chloroform	*	8.23	5.79
1,1,1-Trichloroethane	500	195	213
Trichloroethene	128	35.4	31.8
Tetrachloroethene	66	1.32J	0.77J

* - No Removal Action Level established
 B - Compound detected in the trip blank
 J - estimated below the detection limit



Mr. Duane Heaton

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October 5, 1989

Should you have any questions or require additional information, please feel free to contact us.

Very truly yours,

ROY F. WESTON, INC.

A handwritten signature in cursive script that reads "Maureen O'Mara".

Maureen O'Mara
Environmental Scientist

A handwritten signature in cursive script that reads "William R. Doyle".

William R. Doyle
Technical Assistance Team
Leader, Region V

RY:dn
Attachment
cc: Bob Bowden

US 00304